The Ecologist

INDEX Vol. 16 1986

INDEX OF AUTHORS

Adams, Patricia: Rural Electrification 1: 42-43
Adriawan, Erwin and Sandra Moniaga: The Fire in East Kalimantan 6: 269-270
Andrews, David: Mini-Power Stations 4/5: 215-216

Benn, Tony: Towards the End of Nuclear Power 4/5: 143
Boyle, Stewart: Nuclear Waste: The Unsolved Problem 4/5: 208-209
Bruce, Malcolm: Liberal Policy on Nuclear Energy 4/5: 142
Budiardjo, Carmel: The Politics of Transmigration 2/3: 111-123
Bunyard, Peter: Gaia and the Death of her Trees: Waldsterben in Europe (Editorial) 1:2-3
The Death of the Trees 1: 4-12
Sweden—Choosing the Right Energy Path 1: 24-28
The Sellafield Discharges 4/5: 182-183
Ignoring the True Cost of Nuclear Power 4/5 192-197
Nuclear Power: The Hydra's Head (Editorial) 6: 226-227
Fluoride—Medication or Industrial Poison? (editorial) 6: 228-229
Colombia—Hydroelectric Schemes on Rio Sinu 6: 226-268
Bunyard, Peter and Graham Searle: The Effects of Low Dose Radiation 4/5: 171-181

Caulfield, Catherine: Irradiated Food—Who Wants It? 6: 270-271
Colchester, Marcus: Banking on Disaster: International Support for Transmigration 2/3: 61-70
Unity and Diversity: Indonesia's Policy towards Tribal People 2/3: 89-98
The Struggle for Land. Tribal Peoples in the Face of the Transmigration Programme 2/3: 99-100
Chaboussou, Francis: How Pesticides Increase Pests 1: 29-35
Colquhoun, John and Robert Mann: The Hastings Fluoride Experiment 6: 243-248

Diesendorf, Mark and Philip Sutton: Fluoride: New Grounds for Concern 6: 237-242
Dudley, Nigel: Acid Rain and Pollution Control Policy in the UK 1: 18-22

Edwards, Roy: Chernobyl: The Political Fall-out 4/5: 140-142
Elliott, Dave: The Future of Coal 4/5: 210-212
Emery, Jean: The Victims of Radiation 4/5 189-191

Falk, Richard: The Spirit of Thoreau in the Age of Trident 6: 258-265
Flood, Michael: The Potential for Renewables 4/5: 217-220

Goldsmith, Edward: Denis de Rougement (Obituary) 4/5: 138
Grant, Doris: Fluorides: Poison in our Midst 6: 249-252
Gsponer, Andre: The Unacceptable Face of C.E.R.N. 6: 273-274
Gulliver, Richard: Black Future for the Black Poplar 1: 44-45
Gupta, Y.P.: Pesticide Misuse in India 1: 36-39

Hines, Colin: Shut Them Down—A Campaign to Phase Out Nuclear Power 4/5: 221

Hume Hall, Ross: Poisoning the Lower Great Lakes 2/3: 118-123

Jeffery, Jim: The Unique Danger of Nuclear Power: An Overview 4/5: 147-163
Jenkin, Norman: Combined Heat and Power. The Rational Solution 4/5: 213-214

Kollerstrom, Nick: The Export of Weapon-grade Plutonium to the USA 4/5: 201-204

Madeley, John: Tobacco: A Ruinous Crop 2/3: 124-129
Makin, David and Mendelssohn, H.: Israel Wipes out its Bats 1: 46-47
Moniaga, Sandra *see* Erwin Adriawan
Morgan, R.P.C.: Soil Erosion in Britain: The Loss of a Resource 1: 40-41
Morris, Brian: Deforestation in India and the Fate of Forest Tribes 6: 253-257

Otten, Mariel: 'Transmigrasi': From Poverty to Bare Subsistence 2/3: 71-76
Outerbridge, Thomas: The Fluoridation Campaign 6: 230-236

Sagan, Dorion: Towards a Global Metabolism: The Sulphur Cycle 1: 14-17
Searle, Graham *see* Peter Bunyard
Secrett, Charles: The Environmental Impact of Transmigration 2/3: 77-88
Sene, Monique: Superphenix: The Reality behind the Myth 4/5: 198-200
Sutton, Philip *see* Mark Diesendorf

Tolstoy, Ivan: High Level Waste: No Technical Solution 4/5: 205-207

Webb, Richard: Western Reactors: How they Compare with Chernobyl 4/5: 164-167
Chernobyl: What could have Happened 4/5: 168
The Health Consequences of Chernobyl 4/5 169-170
Wheeler, David: Britain's Polluted Drinking Water 2/3: 130-131

SUBJECT INDEX

Accidents—Chernobyl: *see* special issue 4/5: 139-189
—nuclear a. in US 4/5: 156-157
—Sellafield's appalling record 4/5: 158-159
—potential and prevention in types of nuclear plants 4/5: 164-167
—BNFL's accident record 4/5: 182-188
—in Cumbria from the early fifties 4/5: 189-192
Acid Rain—effect on trees in Scandinavia 1: 2-3
—kills fish in lakes 1: 8
—the sources 1: 8
—in North America 1: 15-16
—political controversy in UK 1: 18-22
—causes deterioration of stonework 1: 19
—CEGB propaganda film 1: 22
Activists—take risks in opposing nuclear weapons in US 6: 259-260
Agriculture—and soil erosion in Britain 1: 40-41
—transmigrants fail where indigenous peoples succeed 2/3: 80-85
—swidden and slash and burn derided by Javanese bureaucracy 2/3: 92-93
—programmes fail in West Papua 2/3: 104-109
—tobacco farming causing devastation in the Third World 2/3: 124-129
—affected by dams in Colombia 6: 268
Air pollution—as a cause of die-back in trees 1:9
Alternative energy—in Sweden 1: 24-28 can reduce dependence on nuclear power 4/5: 217-220
Aluminium industry—supports fluoridation programme 6: 237
AAI (Anti-Atom International) 6: 228
Anti-nuclear campaign—descendant of Thoreau's civil disobedience 6: 258-262
Army—dominant presence in Indonesia 2/3: 111-116
Atlantic salmon—decline resulting from acidification of habitat 1: 8

Babies—at risk from fluoride poisoning 6: 251
Bats—eradication programme in Israel 1: 46-47
Bhopal—tragic demonstration of India's dangerous chemical industry 1: 36-39
Biomass—renewable energy source 4/5: 219
Birds—herring gull's eggs made sterile by chemicals 2/3: 119
Britain—*see* United Kingdom
BNFL—Horrific accident record 4/5: 158-159
—worst reputation in the world for pollution 4/5: 182-188
—lack of concern for employees health and safety 4/5: 189-191

Canada—Federal Government's attitude to Niagara Falls chemical dumps 2/3: 121-123
—fluoridation survey 6: 232-233
Cancer—aftermath of Chernobyl 4/5: 169-181
—resulting from low-dose radiation 4/5: 171-181
—risk to workers at Calder Hall and Windscale 4/5: 189-191
—high risk since early fifties in Cumbria 4/5: 189-191
—possible risk from food irradiation 6: 271

Cathedrals—suffer corrosion damage from acid rain 1: 19
Central Electricity Generating Board (CEGB)—contributor to acid rain in Scandinavia 1: 2-3 & 4-12
—accused of dishonesty 1: 18-22
refuses to recognise responsibility for corrosion damage 1: 9
—plays Devil's Advocate 1: 18-22
—makes propaganda film on acid rain 1: 22
—questionable accounting at Sizewell Inquiry 4/5: 192-197
—opposes small combined heat and power plants 4/5: 213-216
C.E.R.N.—(European Charter for Nuclear Research)—fosters nuclear proliferation 6: 273-274
—turns a blind eye to military implications of nuclear research 6: 273-274
Chekhov, Anton—on iniquity of felling forests *(Uncle Vanya)* 6: 257
Chemicals *see also* fluoride and pesticides
—manufacture and misuse in India 1: 36-48
—plants and waste dumps at Niagara Falls 2/3: 130-131
—in drinking water in Britain 2/3: 130-131
Chernobyl—Special issue with Friends of the Earth no 4/5: 138-181
—editorial comment 4/5: 138
—views of Britain's political parties 4/5: 139-143
—revealed accident potential of nuclear power plants 4/5: 147-163
—comparisons with other Western reactors 4/5: 164-166
—health consequences 4/5: 169-181
Christian communities—and non-violent protest 6: 259
Coal—attitude of CEGB 4/5: 194-195
—miners' strike 4/5: 195
—imported 4/5: 196
—fuel of the future 4/5: 210-212
—stocks in Colombia 6: 266
Colombia—massive electrification scheme 6: 266-268
—huge dams URRA 1 & 11 planned 6: 266-268
—coal reserves 6: 266
—El Paramillo National Park 6: 267
—ecological consequences of building dams 6: 267-268
Combined Heat and Power (CHP)
—in Sweden 1: 25
—efficient source of energy 4/5: 213-216
—opposed by CEGB 4/5: 213-216
—and mini-power stations 4/5: 215
CORELCA—electricity authority in Colombia 6: 266
Cumbria—an area devastated by nuclear fall out 4/5 182-187

Dams—in Colombia 6: 267-268
Dental decay—*see* fluoride
De Rougement, Denis—Obituary 4/5: 138
Dioxin—poisoning in Lake Ontario 2/3: 118-123
DDT—residuesin dairy products in India 1: 38
Dieback—in N. European trees 1: 9
Dieldrin—a common residue in India 1: 38
Drinking water *see also* fluoride—polluted in L. Ontario 2/3: 118-123
—polluted in Britain 2/3: 130-131

East Timor—transmigration and military control cause much suffering 2/3: 115
Electricity—*see also* CEGB *and* issue 4/5
—in the Third World 1: 42-43
—and the Tennessee Valley Authority 1: 42-43
—not a panacea for under-developed communities 1: 42-43
—in Colombia 6: 266-268
El Paramillo National Park—threatened by colonists, cattle and reservoirs 6: 267
Environmental Legislation—fails to halt land and lakes degradation 2/3 118-123
EPA (US Environmental Protection Agency)—unsuccessful lawsuit against Occidental Chemical Company 2/3: 118-123
Ethnic Communities—under threat in India 6: 255-257
Ethnocide—in Indonesia 2/3: 89-97
Eutrophication—of the sea 1: 2-3

First Strike weapons—*see* Nuclear weapons and Trident
Fluoride—doctoring water supplies (editorial) 6: 228-229
—an industrial waste 6: 230
—in Canada 6: 232-233
—in the US 6: 234
—in the UK 6: 235
—and WHO 6: 235
—and the sugar industry 6: 237
—and the aluminium industry 6: 237
—genetic damage caused 6: 238
—dental fluorosis 6: 239
—weakness of scientific claims 6: 241
—the Hastings experiment in New Zealand 6: 243-248
—UK Water Fluoridation Bill 6: 249-252
—causes many types of illness 6: 249-252
—harm from fl. toothpaste 6: 251-252
—risk to babies 6: 251
—antidotes needed 6: 252
Food and Agriculture Organisation (FAO)—supports irradiation of food 6: 271
Forests *see* Tropical Rain Forests
Forest fires—risk from logging operations 6: 225-231
—in Kalimantan 6: 269-270
—indigenous people blamed 6: 269
France—studies pesticide misuse 1: 29-35
—nuclear power an economic disaster 4/5: 197
—Superphenix—myth and reality 4/5: 198-200
Friends of the Earth—tree dieback survey 1: 6
—Joint Special issue on Chernobyl 4/5

—Tem Point Plan for Sellafield 4/5: 188
Furer—Haimendorf—*Tribes of India* quoted 6: 256

Gaia—and the death of trees 1: 2-3
Gandhi—advocate of non-violent protest 6: 264
Geopolitics—of Transmigration Programme in Indonesia 1: 2/3: 69-71
Geothermal energy—in Sweden 1: 26-27
Glassford technique—tillage to prevent erosion 1: 41
Greenpeace—Campaign to close nuclear reactors 4/5: 221

Health *see also* Cancer—victims of radiation 4/5: 189-191
—risk from fluoridation of water 6: 249-252
Helsinki—agreement on sulphur emissions not signed by Britain 1: 9-12
Herbicides—cause increase in ceral diseases 1: 31-32
Holland *see* Netherlands
Horticulture—at risk from dams in Colombia's electrification programme 6: 268
Human rights—abused in Indonesia's Transmigration Programme 2/3: 111-116
Hyde Park Chemical waste dump—2/3: 118-123
Hydropower—in Sweden 1: 24-25
—in Colombia 6: 266-268

India—bad record in pesticide poisoning 1: 36-48
—increased demand for pesticides 1: 36
—residues of many banned pesticides 1: 36
—fate of forest tribes 6: 253-257
Indigenous people—blamed for ecological decline 6: 255-257
—forest products leased to merchants 6: 255
—spectre of dust bowl 6: 256
—forest officers' widespread powers against 6:257

Indonesia—Special report on Transmigration Programme *with* Survival International and TAPOL 2/3: 58-117
—International support 2/3: 61-70
—poverty and starvation caused 2/3: 71-76
—environmental impact 2/3: 72-88
—policy towards tribal peoples 2/3: 89-98
—the struggle for land 2/3: 99-110
—the political dimension 2/3: 111-116
—military involvement 2/3: 114-115
—worldwide campaign against Transmigration 2/3: 117
—tropical forest destroyed 6: 266
IAEA (International Atomic Energy Authority)
—defends nuclear power 6: 226-228
Irradiation—of food, blessing or danger? 6: 270-272
—causes UPR (Unique Radiolytic Products) 6: 270
—possible cause of cancer 6: 271
—and radioactive waste 6: 271
Israel—bat eradication programme 1: 46-47

IUCN—ecological guidelines for protection of tropical forests 2/3: 80-81

Java—population increasing inspite of Transmigration Programme 2/3: 63
—low regard for rights of tribal people 2/3: 89-98
—resettlement programme causes many problems 2/3: 93-98
—army imposes regime on traditional societies 2/3: 111-116

King, Martin Luther—and non-violent protest 6: 259

Labour Party—policy on nuclear power 4/5: 141-142 & 145-146
Lakes—acidification in Scandinavia 1: 2-3
—devoid of fish in Norway 1: 2-3
—acidity not only caused by acid rain 1: 16-17
—deterioration in England's Lake District a ıd Scottish lochs 1: 19
—chemical pollution in L. Ontario 2/3: 118-123
Liberal Party—policy on nuclear power 4/5: 142

Microbial mats—formed by oxygen-shunning bacteria 1: 17
Military—dominant presence in Indonesia 2/3: 111-116
Milk—DDT and dieldrin residue in Bombay 1: 38
Mini-power stations—4/5: 215
Motor vehicles—contribute to pollution of atmosphere 1: 2-3
—beloved by the Swedes 1: 24-28

Nature Reserves—at risk from Transmigration Programme 4/5: 85
—El Paramillo under threat 6: 267
Netherlands—closely involved with Indonesia's Transmigration Programme 2/3: 61-70
—inheritors of Colonial Dutch policies 2/3: 71 & 111-116
New Zealand—The Hastings fluoride experiment 6: 243-248
Niagara Falls—chemical pollution from many dumps 2/3: 118-123
Nitrogen oxides—contributing to acidification in N. Europe 1: 2-3
Norway—lakes and trees deteriorating from acid rain 1: 2-3
—concern over CEGB's propaganda film 1: 22
Nuclear power—*see also* issue 4/5 on Chernobyl
—accident record 4/5: 156-159
—PWRs more dangerous than AWRs 4/5: 160-161
—comparison of different reactors 4/5: 164-167
—Sellafield discharges 4/5: 182-188
—victims of radiation 4/5: 189-190
—true costs 4/5: 192-197
—France's Superphenix 4/5: 198-200
—unanswered problems of waste 4/5: 205-209
—and the USSR (editorial) 6: 226-228
—and IAEA 6: 226-228

—and AAI 6: 228
Nuclear Weapons—the link with nuclear power 4/5: 143-146
—attitude of French Government 4/5: 198-200
—US warheads made from UK plutonium 4/5: 201-204
—first strike are designed for attack 6: 258
—*The Pentagon Strategy for Nuclear War* (Robert Aldridge) 6: 259
—and CERN 6: 275
Nuremberg—the Principles 6: 262

Occidental Chemical Company—responsible for dangerous, widespread pollution in Lake Ontario 2/3: 118-123
Omnicide—the aftermath of Nuclear war 6: 258
Ozone—concentrations may be reaching dangerous levels 1: 12

Pesticides—increase pests 1: 29-34
—misuse in India 1: 36-38
—750,000 cases of poisoning 1: 36
—banned but still exported to Third World 1: 38
—plant-based are the safest 1: 38
Plutonium—exported from the UK to US for warheads 4/5: 201-204
Pollution—caused by acid rain 1: 2-3 & 4-12
—in N. America 1: 15-16
—control in the UK 1: 18-23
—of L. Ontario 2/3: 111-118
—of drinking water in Britain 2/3: 130-131
Population—increasing in Java inspite of Transmigration 2/3: 63
Potassium—*see* Chemical fertiliser

Radioactivity—dangers of uranium mining and effects on miners 4/5: 149-150
—newly created in nuclear accident 4/5: 151
—difference between natural and man-made 4/5: 156-157
—health consequences 4/5: 169-181
—at Sellafield 4/5: 182-188
—victims 4/5: 189-191
—official definition of r. waste 4/5: 219
Rainforests *see* Tropical rainforest
Remigrasi—Transmigrants return to Java 2/3: 74
Renewable energy—in Sweden 1: 24-29
—can reduce dependence on nuclear power 4/5: 217-220
Resettlement—programmes face difficulties in Java 2/3: 89-97
Rice—natural resistance undermined by chemical fertiliser 1: 32-34
Rural electricity—TVA fails to live up to its promises in Third World 1: 42-43

Satyagraha—non-violent political movement 6: 255
Scandanavia—worst sufferers from acid rain 1: 2-3
Sellafield—accident record 4/5: 158-159
Sizewell Inquiry—evidence on effects of low-dose radiation 4/5: 171-182
—CEGB's questionable accounting 4/5: 192-197
Soil erosion—in Britain 1: 40-41
Sugar industry—supports fluoridation programme 6: 237
Sulphur Cycle—1: 14-17
Survival International—special report on Indonesia's Transmigration Programme 2/3: 58-117
Sweden—receives as much sulphur dioxide from UK as it generates 1: 2-3
—adversely affected by UK's negative policy on acid rain 1: 18-21
—modern approach to energy conservation 1: 24-28
—loves motor cars 1: 24

TAPOL (British Campaign for the Defence of Political Prisoners and Human Rights in Indonesia)—special report on Indonesia's Transmigration Programme 2/3: 58-117
Tennessee Valley Authority (TVA)—claims and promises not met 1: 42-43
Thoreau, H.D.—opposes concept of "just war" 6: 258
—defends civil disobedience 6: 260
—on slavery 6: 260
Three Mile Island—problems of repair and clean-up 4/5: 153-154
Tobacco—the environmental cost of growing in many Third World countries 2/3: 124-129
—Camel Cigarette Company lacks respect for World's natural heritage 2/3: 129
Transmigration *see* Indonesia—Open letter to Mr Clausen and Mr Conable of the World Bank 2: 58-60
Trees—dying as a result of acid rain 1: 2-3 & 4-13
—many species in Europe affected with dieback 1: 4-13
—FoE survey 1: 6-7
—Waldsterben in W. Germany 1: 7
—acidification/aluminium toxicity hypothesis 1: 7
—air pollution, not soil, as cause of dieback 1: 9
—Black poplar under threat 1: 44-45
Tribal people—facing disaster under Indonesia's Transmigration Programme 2/3: 77-88
—*Tribes of India* (Furer Haimendorf) quoted 6: 256
—threatened by Forest Officer's wide powers in India 6: 257
Trident submarine—a first-strike nuclear weapon 6:259
Tropical rainforest—destroyed in Indonesia's Transmigration Programme 2/3: 77-88
—under threat in India 6: 253-257
—destroyed in Amazonia and Indonesia 6: 266
—fires in Kalimantan 6: 269-270

United Kingdom—irresponsible attitude to sulphur emission control 1: 2-3
—fossil fuel power stations major source of airborne sulphur 1: 11-12

—pollution control policy based on political expedience 1: 18-23
—largest emitter of SO_2 in Western Europe 1: 20
—soil erosion—a serious threat 1: 40-41
—exports plutonium to US for warheads 4/5: 201-204
—fluoridation programme 6: 232-234
—Fluoridation Bill 6: 249-252
United Nations—argues against labelling irradiated foods 6: 272
United States—and acid rain 1: 8 & 15-16
—attitude to Transmigration 2/3: 68-70
—risks taken by anti-nuclear activists 6: 259-260
—fluoridation campaign 6: 232-234
UPR (Unique Radiolytic Products) caused by irradiation of food 6: 270

Vines—show increase of viral infection due to pesticide use 1: 30

Waldsterben—dieback in W. Germany's trees 1: 2-3 & 4-13
Water *see* Drinking water; lakes; fluoridation
West Germany—trees suffer from Waldsterben 1: 2-3 & 4-13
West Papua—traditions and rights ignored by Indonesian Government 2/3: 99-110
—land and people devastated by Transmigration Programme 2/3: 102-103
—military domination 2/3: 102-103
—dispossession of land and resources 2/3: 106-107
—abuse of human rights 2/3: 107
—failure of land programmes 2/3: 108-109
Windpower—4/5: 218
World Bank—new guidelines on pesticides 1: 39
—Open Letter from leading international human rights and environmental organisations 2/3: 58-60
—supports Transmigration Programme 2/3 61-70 & 85-87
—Staff Appraisal Report 2/3: 64-66 & 86
—environmental concern seen to be eye-wash 2/3: 86
—ignores evidence of failure in Transmigration Programme 2/3: 86
World Conservation Study—points to poverty as a cause of environmental degradation 2/3: 58-60
World Health Organisation (WHO) and fluoridation programme 6: 235
—supports irradiation of food 6: 271

BOOKS REVIEWED

Bandyopadhyay, J. *see* Shiva Vandana

Clout, Hugh: A Rural Policy for the EEC? Methuen paperback. £5.95 (*Robert Waller*) 6: 277-278

Flavin, Christopher: World Oil: coping with the danger of success. World Watch Papers No 66. £2.00, available from *The Ecologist (Peter Bunyard)* 2/3: 134

Gough, Michael: Dioxin, Agent Orange: The Facts. Plenum Publishing Co. $17.95 (*Samuel Epstein*) 4/5: 233

Grant, Ellen: The Bitter Pill. Elm Tree Books. £7.95 (*Libby Day*) 2/3: 135

Margulis, Lynn and Dorion Sagan: Microcosmos. Four Billion Years of Evolution from our Microbial Ancestors. Summit Books, New York and Allen and Unwin. $17.95 (*Peter Bunyard*) 6: 275-276

Paton, William: Man and Mouse: Animals in Medical Research. OUP £2.95 (*Paul Gravett*) 1: 48

Sagan, Dorion *see* Lynn Margulis

Shiva, Vandana *and* J. Bandyopadhyay: Ecological Audit of Eucalyptus Cultivation in Rainfed Regions. Research Foundation for Science Technology and Natural Resource Policy, Dehradun, India—no price given (*Nicholas Hildyard*) 4/5: 222-223

Skolimowski, Henryk: The Theatre of the Mind Theosophical Publishing House. $6.75 (*Kelvin Spencer*) 1: 48

Thompson, William Irwin: Pacific Shift. Sierra Club. $15.95 (*Alexander Goldsmith*) 4/5: 224

UNEP: Radiation. Doses, Effects, Risks. UN Sales Office. $10.00 (*Francis O'Kelly*) 6: 276

Vernadsky, Vladimir: The Biosphere (abridged version in translation) with preface by Eugenii Shepelev. Synergetic Press. No price given. (*Dorion Sagan*) 6: 277

Wayne, Richard: Chemistry of Atmospheres. Clarendon Press. £30.00. Paperback £14.95 (*Michael Whitfield*) 2/3: 135-136

Wilson, E.O.: Biophilia: The Human Bond with other Species. Harvard University Press. £12.00 (*David Rothenberg*) 2/3: 133-134

OPEN LETTER to Mr Clausen, Retiring President of the World Bank and Mr Conable, President Elect from the Editors of *The Ecologist* and many others. Leading Environmental Organisations call on the World Bank to suspend funding of Indonesia's Transmigration Programme. 2/3: 58-60